

Homeland Security

Project Name

City of Hampton VOICE

Amount Requested

\$475,000

Intended Recipient of Funds

City of Hampton

22 Lincoln Street

8th Floor

Hampton, VA 23669

Project description and explanation of the request

Funds would be used by the City of Hampton to develop Virginia's Operational Integration Cyber Center of Excellence (VOICE). This laboratory would allow local governments and first responders to plug into state and federal entities and participate in simulated cyber attacks would help identify the processes, procedures, capabilities and gaps in protection. This program will incorporate cyber attack prevention into the mainstream of emergency operations at the

local level and creating a virtual municipality of randomly generated internet protocol addresses. The concept would allow cyber security capabilities, processes and procedures to be developed.

The City of Hampton is located in the crossroads of Hampton Roads, home to major military installations such as Oceana Naval Air Station, Langley AFB, NASA Langley Research Center, Joint Forces Command, Naval Station Norfolk, etc. The localities play a large role in ensuring the safety and security of these assets as well as the many military and civilian personnel in the area. Through modeling and simulation at the City's emergency operations center, localities can

gain experience in deterring and preventing cyber attack and other potential attacks on the area's installations, transportation infrastructure and information networks.

Veterans Affairs/Military Construction

Project Name

Virginia Wounded Warrior Program

Amount Requested

\$3,150,000

Intended Recipient of Funds

Virginia Department of Veterans Services

900 E. Main St.

Richmond, VA 23219

Project description and explanation of the request

The 2008 Virginia General Assembly created the Virginia Wounded Warrior Program (VWWP). When fully operational in 2009, the Program will coordinate support services for veterans with stress related and traumatic brain injuries resulting from service in a combat area. The VWWP will ensure that these veterans and their families receive timely assessment, treatment, and support. The Program will support Virginia veterans, and members of the Virginia National Guard and Virginia residents of the Armed Forces Reserves not in active federal service. The VWWP also supports the family members of these veterans, Guard and Reserve members.

The VWWP will provide mental health, substance abuse and traumatic brain injury services,

including case management, outpatient, family support, and rehabilitative services. Veterans of the conflicts in Iraq and Afghanistan are seeking mental health treatment for post-traumatic stress disorder (PTSD) and other combat stress issues at an ever increasing rate. VA mental health resources are not always easily accessible to veterans, due to problems of distance and/or resource availability.

The U. S. Department of Defense provides treatment and health care for military service personnel up until they are discharged or retire. Veterans have access to VA health care services but care from the VA for their family members is only available in certain circumstances. Additionally, for some veterans, access to a VA medical center or clinic may be difficult due to geographic distance or because of their injuries. The Virginia Wounded Warrior Program does not replace the care or services provided by the VA. The program will work in cooperation with the VA. It will use existing community services to ensure that veterans who cannot access VA care and the family members of veterans receive the healthcare and services they need.

The Virginia Department of Veterans Services (DVS), in cooperation with the Virginia Department of Mental Health, Mental Retardation, and Substance Abuse Services (DMHMRSAS) and the Virginia Department of Rehabilitative Services (DRS), is responsible for establishing the Program, monitoring it, and coordinating services. DVS is also working with the Virginia National Guard to coordinate with their reintegration initiatives and Family Assistance Services.

The Virginia Wounded Warrior Program will also partner with Virginia's Community Services Boards and brain injury service providers. This partnership will ensure that these organizations have the capacity and funding necessary to provide services to qualifying veterans and their family members.

Project Title or Program

Missile Support Facility Replacement

Project Number

P-287

Amount Requested

\$18,600,000

Intended Recipient of Funds

Naval Support Activity South Potomac, Dahlgren Virginia

Dahlgren, VA 22448

Project Description

The existing Strategic and Weapon Control Systems (K- Department) (bldg 1200) is more than 40 years old and has outlived its useful life. The cost of maintaining this facility, and replacing equipment that has been damaged as a result of poor facility conditions, is reducing the competitiveness and increasing the cost associated with Dahlgren supporting the Navy's engineering needs. A new building will save approximately \$1 million each year in avoidable maintenance costs, plus an additional amount in avoided equipment damage. The existing building also is insufficient in size and configuration to meet the needs of its occupants which requires K department to be spread out and to occupy facilities that are badly needed by other commands. A replacement for bldg 1200 has been placed in the FYDP for the past several years but its planned construction date has been slipped several times for lack of funding. Construction of this facility will allow K department to consolidate its activities and thereby improve productivity and gain efficiencies. This project will also make additional space available

for the AEGIS BMD command and the increasing requirements for Integrated Air and Missile Defense in an existing building now occupied by K Department personnel, thus avoiding a MILCON project for the Missile Defense Agency.

Project Title or Program

Electromagnetic Research and Engineering Facility

Project Number

P-311

Amount Requested

\$3,950,000

Intended Recipient of Funds

Naval Activity South Potomac, Dahlgren, Virginia

Dahlgren, VA 22448

Project description and explanation of the request

This project will provide an addition to the Electromagnetic Research and Engineering Facility (EMREF). This addition is required to facilitate the Directed Energy Technology Office at NSWCDD to meet its mission in Directed Energy research, development of prototypes and engineering development model systems and in fielding these prototypes to the warfighter. This project will provide laboratories and analysis spaces for wideband RF, High Powered Microwave, Pulsed Power and high energy laser systems engineering and development. The project provides necessary access to a maritime boundary layer environment and therefore is sited along the Potomac River Test Range. This project will house 25-30 engineers and scientists some of whom will be new hires. The Directed Energy programs at NSWCDD are growing and will employ professional people for the foreseeable future. This project was developed because it represents the lost scope of another MILCON project, P295, that was approved in FY06. Due to high bids, only about 75% of the original facility could be built. This project provides the remaining 25% (6,500 SF).

Agriculture

Project Name

Northern Neck/Middle Peninsula Broadband Project

Request Amount

\$17,500,000

Intended Recipient of Funds

Northern Neck Planning District Commission

P.O. Box 1600

Warsaw, VA 22572

Project description and explanation of the request

Construction of an open access fiber optic main network. This project will join work currently underway on the Eastern Shore and Hampton Roads to provide high-speed internet access as well as a redundant loop of infrastructure to the Middle Peninsula and Northern Neck regions of Virginia. The proposed networks of the Northern Neck and Middle Peninsula Planning District Commission's region will serve in meeting several important Commonwealth of Virginia

objectives. The purpose of these networks is to enhance economic development efforts such as growing existing businesses, attracting new businesses, enabling home-based businesses, enabling teleworking and encouraging competition for services. The networks will provide economic development tools to the more rural areas.

Commerce/Justice/Science

Project Name

An Achievable Dream

Amount Requested

\$1,000,000

Intended Recipient/Grantee

An Achievable Dream

10858 Warwick Blvd

Newport News, VA 23601

Project description and explanation of the request

Support programs at An Achievable Dream Middle and High School, a public-

The 1,250 students in grades kindergarten through 12th in 2009 (an increase of 250 over 2008) benefit from An Achievable Dream's support of social, academic and moral curricula proven effective over 16 years of operating the public/private partnership with Newport News Public Schools. This multi-faceted approach has continued to provide the tools needed for underprivileged youth to close the achievement gap with their more affluent counterparts.

Project Name

Stafford County Law Enforcement Technology

Amount Requested

\$1,000,000

Intended Recipient of Funds

Stafford County

1300 Courthouse Road

Stafford, VA 22555

Project description and explanation of the request

Upgrade the Computer Aided Dispatch system for Stafford County, VA. The CAD is part of the County's state of the art, interoperable communications system.

Improve access to the communications system for interdepartmental users and federal and state law enforcement (including Marine Corps Base Quantico) along the I-95 corridor.

Project Name

Newport News Law Enforcement Technology

Amount Requested

\$950,000

Intended Recipient of Funds

Newport News Police Department

9710 Jefferson Avenue

Newport News, VA 23607

Project description and explanation of the request

Funds would be used to procure a Gunshot Location System. Networked sensors would be placed at specific coordinates on buildings and telephone poles to accurately detect and locate the origin of gunshots and weapons events. Data is sent to a central server accessible by law enforcement agencies. In the past year, Newport News dispatched officers to 2007 calls for gunshots. Federal, state

and local law enforcement agencies using this technology have seen gunfire-related violent crimes decrease and gunfire-related arrests increase.

Project Name

City of Hampton Law Enforcement Technology

Amount Requested

\$840,000

Intended Recipient of Funds

City of Hampton

22 Lincoln Street

8th Floor

Hampton, VA 23669

Project description and explanation of the request

The current 911 phone system in the City of Hampton's Emergency Communications Center is technologically out-of-date and due to age and its 24 hour a day duty cycle, it is suffering progressively more frequent failures and support issues. An upgrade will improve capability and delivery of emergency services with the minimum system failure rate. During times of crisis, at

the local, state and federal levels, the Emergency Communications Phone System will also serve as a key component of local physical infrastructure to maximize the City's ability to receive, process and deliver a coordinated response to a potential disaster scenario. An upgraded Emergency Communications Phone System will help the City of Hampton respond to and coordinate emergency services in the event of a disaster or crisis scenario. The Hampton Roads area is home to many critical national defense assets and military installations.

Project Name

VIMS Shark Research Program: National Shark Research Consortium

Amount Requested

\$1,500,000

Intended Recipient/Grantee

National Shark Research Consortium/Virginia Institute of Marine Science

Route 1208 Greate Road

Gloucester Point, VA 23062

Project description and explanation of the request

The Virginia Institute of Marine Science (VIMS) Shark Research Program is the longest continuously running shark assessment program in the US. The VIMS program is part of the National Shark Research Consortium (NSRC) of four research institutions, which conducts research on sharks and related fishes in order to provide information to the National Marine Fisheries Service to better manage and conserve these important species. The NSRC has been funded by Congress as part of the NMFS budget under Highly Migratory Species.

Previous research has chronicled the serious decline worldwide of sharks and their relatives due to overfishing and habitat destruction. Some species have been listed as endangered species under the US Endangered Species Act or by the IUCN. Studies have shown that apex predators are essential to maintaining the diversity and productivity of marine ecosystems. The NSRC Highly Migratory Shark Fishery Research Program provides NOAA/NMFS with multi-regional biological research and the information necessary for effective management and conservation of shark fishery resources. Consortium projects involve NMFS-related research activities required for assessing the status of shark stocks, managing U.S. shark fisheries, and helping our nation take the leading role in worldwide conservation and management of shark populations.

Project Name

State Courts Improvement Initiative

Amount Requested

\$2,000,000

Intended Recipient/Grantee

National Center for State Courts

300 Newport Avenue

Williamsburg, VA 23185

Project description and explanation of the request

Funding for the State Courts Improvement Initiative at the National Center for State Courts (NCSC) would provide the NCSC the necessary funds to provide research, education, and technical assistance on issues identified by the Conference of Chief Justices and Conference of State Court Administrators for the benefit of the state courts in Virginia and across the United

States. The NCSC is a national institution dedicated to court improvement. Funding this initiative would allow the NCSC to offer increased services in three areas: Knowledge Information Services Division (library and clearing house for state court personnel), Educational Technical Assistance for judges and court personnel, and National Court Initiatives.

Project Name

Virginia Center for Policing Innovation

Intended Recipient/Grantee

Virginia Center for Policing Innovation

413 Stuart Circle

Suite 200

Richmond, VA 23220

Amount Requested

\$900,000

Project description and explanation of the request

VCPI has provided over a quarter of a million training hours to more than 27,000 law enforcement officers in the state of Virginia since 1997 in over 1,000 courses. In recent years, VCPI has specialized in filling training needs that no one else is addressing including leadership, homeland security, crime scene investigation, gangs, human trafficking, drug interdiction, ethics, Spanish language acquisition, advanced court security, advanced search and seizure, cultural diversity, domestic violence, code enforcement, interview and interrogation, anti-terrorism etc. Additionally, VCPI is often turned to for the implementation and coordination of many public safety programs, including automated victim notification systems in Virginia's local and regional jails and court security assessments. VCPI supports training of law enforcement officers that cannot be met by local and state law enforcement agencies.

Project Name

Harmful Algal Blooms Research

Amount Requested

\$1,200,000

Intended Recipient/Grantee

Virginia Institute of Marine Science

Route 1208 Grete Road

Gloucester Point, VA 23062

Project description and explanation of the request

Funds will support research by the Virginia Institute of Marine Science (VIMS) to better understand the characteristics of, and risks associated with, emerging Harmful Algal Bloom (HAB) species and to develop a large-scale monitoring program for these species in Virginia, which involves accurate species identifications using standard microscopic and new, state-of-the-art quantitative molecular techniques. In addition, VIMS will work cooperatively with Virginia state agencies, particularly VA Department of Environmental Quality, VA Marine Resources Commission and the VA Department of Health, to coordinate HAB monitoring in Virginia waters, to engage in public education and develop appropriate response and notification protocols during future HAB events.

Project Name

CHKD Comprehensive Child Abuse Treatment Services

Amount Requested

\$825,000

Intended Recipient/Grantee

Children's Hospital of the King's Daughters

601 Children

Norfolk, VA 23507

Project description and explanation of the request

Children's Hospital of the King's Daughters (CHKD) provides comprehensive child abuse treatment services in the Hampton Roads region, where over 40% of deaths attributed to child abuse in the state occur. This program facilitates the cross-jurisdictional coordination of investigation and intervention services of medicine, mental health, child protective services, law enforcement and prosecution. \$325,000 of the requested funding is to support the Pediatric Fellowship Program, which will allow CHKD to train physicians to understand the dynamics of child abuse in order to determine whether abuse has occurred. \$250,000 of the requested funding will be used to expand the availability of child abuse treatment services to Virginia Beach as part of CHKD's new Pediatric

Health and Surgery Center. \$250,000 of the requested funding will be used to expand the availability of child abuse treatment services at CHKD's Oyster Point facility in Newport News.

Project Name

Virginia Fisheries Trawl Survey

Amount Requested

\$1,114,000

Intended Recipient/Grantee

Virginia Institute of Marine Science

Route 1208 Greate Road

Gloucester Point, VA 23062

Project description and explanation of the request

Information collected by the Virginia Institute of Marine Science (VIMS) Trawl Survey is used by various agencies, including NOAA, the National Marine Fisheries Commission and the Commonwealth of VA to effectively manage key fisheries. Proper management of these finfish resources ensures ecological stability of the Bay and supports the economic livelihood of fishery participants.

The Virginia Trawl Survey collects and reports critical data on the recruitment, current and future abundance, and general ecological health of the finfish populations in the Chesapeake Bay.

Energy and Water

Project Name

WINTER HARBOR, MATHEWS COUNTY, VA

Amount Requested

\$1,205,000

Intended Recipient

Norfolk District, Army Corps of Engineers

NAO

803 Front Street

Norfolk, VA 23510

Project description and explanation of the request

Continuation of authorized maintenance dredging activities authorized under the River and Harbor Act of 17 May 1950.

Project Name

QUEENS CREEK, MATHEWS COUNTY, VA

Amount Requested

\$616,000

Intended Recipient

Norfolk District, Army Corps of Engineers

NAO

803 Front Street

Norfolk, VA 23510

Project description and explanation of the request

Continuation of authorized maintenance dredging activities. The project is located in Mathews County, VA. The project provides for a channel 6 feet deep, 60 feet wide, and 4,100 feet long extending from that depth in Hills Bay into Queens Creek to a turning basin of the same depth 200 feet wide and 400 feet long. Queens Creek provides navigation and safe harbor for commercial fishing and tour boats. The Coast Guard and VMRC frequently send patrols through the channel; Coast Guard performed several Search and Rescue operations for boaters whose destination was Queens Creek. A 5-year maintenance dredging cycle is required to maintain the channel. Currently the channel is 7 years past its scheduled maintenance cycle and is becoming a danger to boaters unfamiliar with navigation through the shoal areas (currently less than 25% of the channel is open in the shoal area). Dredged material from the channel is placed on the beach and serves as a major source of nourishment material. Authorized under the River and Harbor Act of 1960, Section 107.

Project Name

GREENVALE CREEK, VA

Amount Requested

\$531,000

Intended Recipient

Norfolk District, Army Corps of Engineers

NAO

803 Front Street

Norfolk, VA 23510

Project description and explanation of the request

Maintenance dredging authorized under the Sec. 107 River and Harbor Act of 1960.

Project Name

BROAD CREEK, VA

Intended Recipient

Norfolk District, Army Corps of Engineers

NAO

803 Front Street

Norfolk, VA 23510

Amount Requested

\$1,199,000

Project description and explanation of the request

Maintenance dredging authorized under the River and Harbor Act of 2 March 1945. The project is located near Stingray Point in Deltaville, VA. The Federal channel provides access between Broad Creek and deep water in the Rappahannock River. The waterway is 7 feet deep at mean low water and 100 feet wide. The project's local sponsor is Middlesex County. An unusual shallow draft project, it is an important channel for the Chesapeake Bay region with unique activities occurring along the creek's shore. The benefits extend to the national level.

Project Name

Regional Sediment Management, Mathews County, VA

Intended Recipient

Norfolk District, Army Corps of Engineers

NAO

803 Front Street

Norfolk, VA 23510

Amount Requested

\$350,000

Project description and explanation of the request

Construct a sediment budget for the Mathews County, VA area and investigate utilization of dredge material from several local/adjacent federal navigation channels to address shoreline conditions along the western shore of the Chesapeake Bay. Authorized under PL 110-114 Sec. 2037.

Project Name

Sustainable Algal Energy Production and Environmental Remediation

Amount Requested

\$5,000,000

Intended Recipient

The College of William & Mary

P.O. Box 8795

Williamsburg , VA 23187

Project description and explanation of the request

Algae yields substantial advantages over other bio-fuel crops toward the combined goals of renewability, sustainability, affordability, and environmental compatibility in an energy sustainable economy. A multi-disciplinary program plan and partnership are in development for a system to grow, harvest, and process wild algae into feedstock, to chemically convert the feedstock into fuels, and then to distribute the native algae-derived fuels to consumers. This program will be developed under leadership of the College of William and Mary (CWM), acting through its Virginia Institute for Marine Science (VIMS), the nation' s third largest marine science organization, and the premier institute for coastal and estuary studies, working with the College's William and Mary Research Institute (WMRI), which provides access to 570 faculty members across the schools of the main campus. The envisioned commercial process has the potential to produce significantly higher efficiencies than other bio-fuel systems in development, based on mature, proven algae cultivation capabilities, while avoiding many land use issues of alternative algal methods. The target consumers of these fuels include all air and ground transportation and power production systems. This project will secure a number of new jobs for the district in the execution of the work, but the major benefits of bringing algal biofuels to the coast of Virginia will have an enormous impact on the state's economy while

remediating long-standing environmental problems caused by nutrients in the watershed rivers and estuarial run-off into the Chesapeake Bay.

Interior

Project Name

Newport News Wastewater Improvements

Amount Requested (cannot be greater than 55% of the total project amount)

\$2,000,000

Intended Recipient

City of Newport News

2400 Washington Ave.

3rd Floor City Hall

Newport News, VA 23607

Project description and explanation of the request

Not unlike other areas in the United States, the Hampton Roads region has been ordered by the Environmental Protection Agency (EPA) and the Virginia Department of Environmental Quality (VA DEQ) to update specific wastewater systems. The Hampton Roads Regional Special Order By Consent for sanitary sewerage systems study looked at the regional sewer system and identified improvements to be made to reduce the frequency and severity of sanitary sewer overflows. For Newport News alone, the cost of meeting the EPA and VA DEQ mandate is \$24 million. While the intent of the order is valuable, the cost to the region's localities is substantial.

Project Name

Dawn De-centralized Wastewater Treatment, Phase 2

Amount requested (cannot be greater than 55% of the total project amount)

\$2,750,000

Intended Recipient of Funds

Caroline County, VA

117 Ennis Street

P.O. Box 447

Bowling Green, VA 22427

Project description and explanation of the request

The project will expand the availability of safe county-owned and operated wastewater treatment to replace failing or problem septic systems in the community of Dawn. The Dawn area has experienced serious public health issues for years due to failing septic systems. Phase 1 of the project was successful in connecting over 180 households to the county owned and operated Dawn De-centralized Wastewater System. Phase 2 is estimated to connect another 180 homes and small businesses.

Project Name

Fredericksburg & Spotsylvania County Battlefields National Military Park (Binns property)

Request Amount

\$200,000

Intended Recipient of Funds

National Park Service, Fredericksburg & Spotsylvania County Battlefields National Military Park

120 Chatham Lane

Fredericksburg, VA 22405

Project description and explanation of the request

FSNMP is the 2nd largest military park in the world and is considered hallowed ground where more than 85,000 men were wounded and 15,000 killed during the battles that occurred there. These battlefields reveal the trials of a community and a nation at war to all who visit the FSNMP. The Battle of Chancellorsville is known as General Lee's greatest victory but came at the cost of Stonewall Jackson who was mortally wounded by friendly fire and died a few days after the battle. The last major military accomplishment of Jackson's life was his famous attack on the Union's flank. This attack was the turning point in the battle as it came completely by surprise and the Union troops were re-routed. The 1,100-acre Binns property was the site of much of the fighting during the flank attack on May 2, 1863, and is today one of the largest unprotected pieces of the core battlefield area. Although only 50 acres of the Binns property are within the park's acquisition boundary, the remaining 1,050 acres are of high acquisition priority to FSNMP as they saw some of the fiercest fighting and also lie within the viewshed of the FSNMP.

Approximately half of the 1,050 are proposed to be acquired by the Civil War Preservation Trust using the American Battlefield Protection Program. The remaining portion of the property will be purchased using the Virginia Aquatic Resources Trust Fund and will potentially be owned by Spotsylvania County as a park with a conservation easement on it granted to NPS.

Project Name

Rappahannock River National Wildlife Refuge (Bowers property) Land Acquisition

Request Amount

\$3,000,000

Intended Recipient of Funds

Rappahannock River National Wildlife Refuge

336 Wilna Road

Warsaw, VA 22572

Project description and explanation of the request

The property lies within the acquisition boundary of the RRNWR and it is also within Audubon's Lower Rappahannock Globally Important Bird Area. Compared to all other major tributaries of the Chesapeake Bay, the reach of the Rappahannock River where the Fones Cliffs are located remains the most pristine. RRNWR staff commonly see almost 400 eagles along this stretch of river during their annual bald eagle survey. The Bowers property features important habitat for the bald eagle because it has over a half mile of frontage on the Rappahannock River and over a mile of frontage on a tributary. The acquisition of the property would help to support one of the largest summer and winter concentrations of bald eagles in eastern North America. The bald eagles use the property as a roost during the day and are commonly seen in trees on the property surveying the river for hunting opportunities. If acquired, RRNWR intends to install trails and signage to educate the public not only about the natural resources of the property, but also the historic ones as well.

Project Name

Surprise Hill State Observation Wells

Request Amount

\$734,000

Intended Recipient of Funds

SAIF Water Wells, Inc.

P.O. Box 839

Burgess, VA 22432

Project Description

In an area where there is only sketchy information on our groundwater sources, this project would allow scientists to obtain the basic data necessary to monitor aquifers that stretch through two states. The purpose of the project is to complete construction of observation wells for the State Observation Well Network Research Station at Surprise Hill so that real data can be

collected on each aquifer to supplement current scientific estimates of water supply. The core

sample has already been dug by the U.S. Geological Survey and the first one or two wells should be finished during 2009. This appropriation would allow for drilling the remaining seven monitoring wells of the nine needed, installation of telemetry instruments, and water quality analyses.

Labor, Health and Human Services

Project Name

An Achievable Dream

Request Amount

\$1,000,000

Intended Recipient

An Achievable Dream

10858 Warwick Boulevard

Suite A

Newport News, VA 23601

Project Description

The 1,250 students in grades kindergarten through 12th benefit from An Achievable Dream's support of social, academic and moral curricula proven effective over 16 years of operating the public/private partnership with Newport News Public Schools. This multi-faceted approach has continued to provide the tools needed for under-privileged youth to close the achievement gap with their more affluent counterparts. It has been a major focus of the federal government to provide support to public education to raise standards and performance. This objective is embodied through major federal initiatives and legislation such as the No Child Left Behind Act.

Project Name

Tappahannock Free Clinic

Request Amount

\$200,000

Grantee Address

Tappahannock Free Clinic, Inc.

317 Duke Street

Tappahannock, VA 22560

Project Description

The Tappahannock Free Clinic provides healthcare to the uninsured population in and around Essex County who fall at or below 200% of the Federal Poverty Guidelines at no cost to the patient. The Clinic will occupy donated space through April 200. Federal funds would be used to purchase the building. The funds will also be used to upgrade the facility to comply with American Disabilities Act requirements.

Project Name

Children's Hospital of the King's Daughters- Mobile MRI Unit

Amount Requested

\$500,000

Grantee Address

Children's Hospital of the King's Daughters

601 Children's Lane

Norfolk, VA 23507

Project Description

Funding will be used to procure a mobile MRI unit to serve Oyster Point and other satellite medical office buildings in the CHKD health system. This equipment will help clear a backlog of critical MRI services, ensure that children receive the specialized treatment needed in pediatric services and provide access to this diagnostic tool to children in the Hampton Roads area, Virginia and North Carolina.

Project Name

Germanna Community College Online LPN and Paramedic to RN Program

Request Amount

\$100,000

Grantee Address

Germanna Community College

10000 Germanna Point Drive

Fredericksburg, VA 22408

Project Description

Germanna Community College plays a major role in overcoming the region's nurse shortage, and it must ensure an adequate supply of qualified nurses. The need for the Online LPN and Paramedic-to-RN program is evidenced by the absence of programs for working healthcare professionals to readily access associate degree nursing education. The Online program will increase the pool of qualified Registered Nurses for the area workforce. The program will provide the region with a total of over 400 Registered Nurses over the next four years. In addition, program will allow LPNs and Paramedics to advance their careers while working and contributing to the workforce. The Online program will deliver the nursing curriculum. Only the clinical instruction component requires the physical presence of students. The program will provide distance learning courses as well as clinics on campuses and in hospitals. Federal funding would be used for full program development, designated nursing faculty, and accreditation.

Project Name

Jobs for Virginia Graduates

Request Amount

\$500,000

Grantee Address

Jobs for Virginia Graduates

Center for Public Policy, VCU

919 West Franklin Street

Richmond, VA 23284

Project Description

The expansion of Jobs for Virginia Graduates (JVG) would create 20 additional school sites needing the employment/training of 20 career specialists (teachers) to manage each program. In addition, the JVG program would increase its student graduation rate to 1,000 students resulting in 1,000 students prepared for employability. JVG is one of the state's initiatives for reducing the dropout rate and improving school-to-work transition. JVG functions through Virginia's public school system, and in concert with state employment programs. JVG places/trains career specialists in the school through school division, and these specialists work with the high school students to master from 37 to 87 employability competencies.

Project Name

Massey Cancer Center Vivarium, Virginia Commonwealth University

Request Amount

\$1,000,000

Grantee Address

Virginia Commonwealth University

910 W. Franklin Street

Richmond, VA 23284

Project Description

Massey Cancer Center Vivarium: These funds would be used to renovate a proposed 7500 sq. ft research space that will be improved to proper state-of-the-art space to accommodate the current and planned pre-clinical and translational cancer research (the rapid advancement of laboratory findings to clinical trials and patient care) activities in the Goodwin Research Laboratory at Virginia Commonwealth University.

Project Name

Automated System for the Electronic Preparation of Veterans' Disability Claims (TURBO Vet)

Amount Requested

\$1,200,000

Intended Recipient of Funds

Virginia Department of Veterans Services

900 E. Main St

Richmond, VA 23219

Project description and explanation of the request

The requested funding will be used to develop and deploy an automated system for the electronic preparation of veterans' disability claims. The proposed system is a simple, complete, and secure web-based system that will enable the Virginia Department of Veterans Services (VDVS) to manage the complex administrative processes involved with submitting disability compensation and pension claims with the federal government. An automated system for the electronic preparation of veterans' disability claims will simplify the process of developing a claim, resulting in claims that are more complete, more accurate, and present the necessary supporting information in a clear and consistent manner.

Transportation/HUD

Project Name

Potomac and Rappahannock Transportation Commission Western Maintenance Facility

Amount Requested

\$4,900,000

Intended Recipient of Funds

Prince William County

1 County Complex

Prince William, VA 22192

Project description and explanation of the request

This funding would be used for a PRTC Western Bus Maintenance and Storage Facility on the western side of Prince William County. Buses maintained and stored in this facility will provide commuter bus service in the I-66 corridor to the West Falls Church Metro Station or Downtown DC and local neighborhood service in Western Prince William County.

Project Name

I-95 Access at the Fredericksburg, VA Rest Area and Connecting Toll Road to VA Route 3

Amount Requested

\$5,000,000

Intended Recipient of Funds

George Washington Region Toll Road Authority

P.O. Box 99

Spotsylvania, VA 22553

Project description and explanation of the request

This funding would be used to construct new I-95 access at the Fredericksburg State Visitor's Center and Rest Area and construct a new toll road connecting with Virginia Route 3 in the Harrison Road vicinity of Spotsylvania County. This would provide improved safety to Interstate and arterial travel for the motoring public and stimulation of the regional economy by decreasing roadway congestion and improving access to the commercial and tourism centers nearby.

This funding would be used to construct new I-95 access at the Fredericksburg State Visitor's Center and Rest Area and construct a new toll road connecting with Virginia Route 3 in the Harrison Road vicinity of Spotsylvania County. This would provide improved safety to Interstate and arterial travel for the motoring public and stimulation of the regional economy by decreasing roadway congestion and improving access to the commercial and tourism centers nearby.

Project Name

Hampton Roads Transit Bus Acquisition

Amount Requested

\$2,100,000

Intended Recipient of Funds

Transportation District Commission of Hampton Roads

3400 Victoria Boulevard

Hampton, VA 23661

Project description and explanation of the request

This funding would be used for the purchase of four hybrid electric buses which will reduce harmful emissions and increase energy savings, while providing vital public transportation for the Hampton Roads area. These buses are needed to replace vehicles that have exceeded their useful lifespan as defined by the FTA.

Project Name

Jackson Gateway Interchange

Amount Requested

\$1,600,000

Intended Recipient of Funds

Virginia Department of Transportation

1401 E. Broad Street

Richmond, VA 23219

Project description and explanation of the request

This funding for the preliminary engineering for the Interstate 95/ U.S. Route 17 Interchange (Jackson Gateway Interchange) in Spotsylvania County, VA would provide for initial project development. This project will aid in reducing traffic congestion and will provide access to the county's only acute care hospital.

Defense

Project Name

William & Mary Law School Veterans Benefits Clinic (VBC)

Recipient of Funds

William and Mary School of Law

P.O. Box 8795

Williamsburg, VA 23187

Amount Requested

\$987,000

Project description and explanation of the request

William & Mary Law School established the Veterans Benefits Clinic (VBC) to provide veteran military service members with information about and assistance in pursuing service-related disability compensation benefits to which they are entitled. The VBC program is unique, as it will be the first clinic addressing not only the legal challenges, but also the devastating psychological effects our wounded warriors are facing. By collaborating with Virginia Commonwealth University's Center for Psychological Services and Development

(CPSD), this pilot project is providing not only legal services, but access to neuropsychological testing, diagnoses, treatment and counseling for wounded veterans. Using part-time attorneys and Law School staff, and law students and graduate students from other disciplines, the VBC is currently supported by and housed at William & Mary Law School.

Project Name

Jefferson Lab Aerospace Laser Micro Engineering Station

Amount Requested

\$3,000,000

Recipient of Funds

Jefferson Laboratory

12000 Jefferson Avenue

Newport News, VA 23606

Project description and explanation of the request

In September, 2001, the JLAB, with the Aerospace Corporation, initiated a joint project with the Air Force Research Lab (AFRL) to expand the FEL capabilities to provide a microfabrication processing tool to produce miniature satellite components. Microfabrication of ceramics and glass is a high- potential JLab FEL application. The ability to create intricate microstructures in or on glass materials is considered a necessary value-added component in the development of advanced photonics and certain microinstruments. Microstructure patterns can be used to guide

light, serve as frequency selectors, control fluidic flow or enable the extraction of specific cells to capture genetic material. The Aerospace Corporation is exploring the potential of microfabricating a class of glass materials called photocerams using ultraviolet laser processing. This technology promises a more precise, less expensive way of creating intricate glass microstructures with the goal of fabricating picosatellites weighing less than 1 kilogram for the Air Force. The JLab FEL ultraviolet capabilities will allow for the mass production-rate throughput necessary for industry.

Because of the compelling need for the Air Force to develop new materials and metal alloys for aerospace applications, the Thomas Jefferson National Accelerator Facility (Jefferson Lab) is requesting \$3 million from the FY10 DOD Appropriations for the final commission and demonstration of the required accuracy and reproducibility for satellite production of the Aerospace Laser Micro Engineering Station (LMES). The LMES will make mass-producible satellites possible using <10 hours with the JLab UV FEL as compared to 270 hours using a conventional UV laser making it possible to address new and unique missions not accessible using conventional satellite technology.

Defense: Navy Shipbuilding and Conversion Program

Program Name

Virginia Class Submarine - Advance Procurement

Amount Requested

Support the President's FY 10 Budget Request

Recipients of Funds

Northrop Grumman Corporation

1000 Wilson Blvd Suite 2300

Arlington, VA 22209

General Dynamics Corporation

2941 Fairview Park Drive
Suite 100
Falls Church, Virginia 22042-4513

Project description and explanation of the request

Virginia class of submarines is being performed through a teaming arrangement between Northrop Grumman Shipbuilding (NGSB) and General Dynamics Electric Boat Corporation (EB), in which these yards alternate performing final assembly, testing, outfitting, and delivery. For all boats, EB will construct the engine room modules, and command and control modules, while

NGSB will construct the bow, stern, sail, living spaces, torpedo room, and auxiliary machinery room modules.

The FY08 National Defense Authorization Act (P.L. 110-181) authorized multi-year

procurement including advance procurement of materials in economic order quantities for Block III submarines between 2009 and 2013. The Navy has entered a multi-year procurement contract for eight hulls that will comprise Block III. The remaining Block II hulls, the New Mexico (SSN 779), Missouri (SSN 780), California (SSN 781), Mississippi (SSN 782) and Minnesota (SSN 783) are in various stages of construction under an earlier multi-year procurement contract.

Full funding of the procurement request is required so the program can remain on budget, achieve the savings associated with the multi-year procurement and deliver Virginia class submarines as scheduled.

Although teamed for the construction, both companies will continue to compete in the development of advanced submarine technologies for insertion on some or all submarines of the class.

Program Name

CVN Refueling Overhauls (Procurement)

Amount Requested

Support the President's FY10 Budget

Recipient of Funds

Northrop Grumman Corporation

1000 Wilson Blvd, Suite 2300

Arlington, VA 22209

Project description and explanation of the request

The Nimitz-class carrier Refueling and Complex Overhaul (RCOH) occurs only once during a Nimitz-class carrier's operational life. The RCOH gives the Navy a carrier with sufficient nuclear fuel to operate for an additional 23 to 25 years. The RCOH will also repair and modernize each carrier so that they can operate effectively with the newest fleet assets. The complexity of nuclear refueling requires that RCOH advance planning, shop fabrication and material procurement begin four years before commencement of the RCOH. RCOH efforts include: ship system/equipment repair and/or replacement, restoring ship service life margins (i.e., infrastructure, system capacities, etc.), warfighting modernization (i.e., integration of new aircraft such as F/A-18E/F), Hull, Mechanical and Electrical refurbishment and modernization, and refueling the ship's two nuclear reactors. The RCOH represents nearly 35% of a carrier's maintenance cost over its 50-year service life. The USS THEODORE ROOSEVELT (CVN 71) is scheduled to begin its 36-month RCOH availability later in 2009.

CVN 71 RCOH begins in FY09 and the FY10 request includes the 2nd year of 3 year funding. Adhering to this schedule improves the Navy's aircraft carrier operational availability and provides stability to the shipbuilding industrial base. Maintaining the Navy's RCOH schedule will reduce the life cycle cost of the ship by accomplishing all planned upgrades and reducing future maintenance costs.

The aircraft carrier program is a nationwide effort that supports approximately 1600 vendors and over 100,000 jobs.

Program Name

Virginia Class Attack Submarine (VCS) Completion of Prior Year Shipbuilding

Amount Requested

Support the President's FY10 Budget (TBD)

Recipients of Funds

Northrop Grumman Corporation

1000 Wilson Blvd Suite 2300

Arlington, VA 22209

General Dynamics Corporation

2941 Fairview Park Drive
Suite 100
Falls Church, Virginia 22042-4513

Project description and explanation of the request

Construction of the Virginia class of submarines is being performed through a teaming arrangement between Northrop Grumman Shipbuilding (NGSB) and General Dynamics Electric Boat Corporation (EB), in which these yards alternate performing final assembly, testing, outfitting, and delivery. For all boats, EB will construct the engine room modules, and command and control modules, while NGSB will construct the bow, stern, sail, living spaces, torpedo room,

and auxiliary machinery room modules. The FY08 National Defense Authorization Act (P.L. 110-181) authorized multi-year procurement including advance procurement of materials in economic order quantities for Block III submarines between 2009 and 2013. The Navy has entered a multi-year procurement contract for eight hulls that will comprise Block III. The

remaining Block II hulls, the New Mexico (SSN 779), Missouri (SSN 780), California (SSN 781), Mississippi (SSN 782) and Minnesota (SSN 783) are in various stages of construction under an earlier multi-year procurement contract.

Full funding of the procurement request is required so the program can remain on budget, achieve the savings associated with the multi-year procurement and deliver Virginia class submarines as scheduled.

Program Name

Carrier Replacement Program

Amount Requested

Support the President's Budget (TBD)

Recipient of Funds

Northrop Grumman Corporation

1000 Wilson Blvd Suite 2300

Arlington, VA 22209

Project description and explanation of the request

The first ship of the CVN 21 program, the GERALD R. FORD (CVN 78), received the first two years of procurement funding in FY08 and FY09. It is scheduled for delivery to the Navy in FY2015. The CVN 78 class will incorporate performance improving and cost saving technologies that are essential to achieving the Navy's stated goals of reducing manning requirements and total ownership costs while increasing the ship's war fighting capabilities. The CVN 78 class will reduce crew size by 1200 and save the Navy \$5-6 billion in total ownership cost per ship. The new propulsion plant and zonal electrical distribution system will provide 2.5 times the electrical capacity of the Nimitz class with lower life cycle costs. The Navy plans to fund the first three CVN 78 class carriers at four year intervals, with CVN 79 scheduled to begin in FY12. Significant savings can be realized if this schedule is maintained, there are minimal design changes from ship to ship, and funds are authorized and appropriated such that select material for the ships can be ordered together. These actions will also result in stabilization of the shipyard labor force. The FY07 Defense Authorization Act gave the Navy the authority to finance CVN78 over a four year period, and the CVN 78 is in the 3rd year of a four-year financing profile. The President's FY10 budget request includes 10% of the funding required for construction of CVN 78, as well as Advance Procurement funding for CVN 79.

Funding will provide stability both for the Navy's long range shipbuilding plan as well as for the shipyard labor force. The CVN 21 program allows the Navy to begin construction of a new carrier design that greatly expands its capabilities in support of the Navy's Maritime Strategy and the latest QDR well into the 21st Century.

Program Name

Advanced Submarine Systems Development SSBN(X)

Amount Requested

Support the President's FY10 Budget (TBD)

Recipient of Funds

Northrop Grumman Corporation

1000 Wilson Blvd Suite 2300

Arlington, VA 22209

Project description and explanation of the request

SSBN-X is the designation for the submarine class that will serve as the replacement for the OHIO submarine class, which will begin going out of service in 2029. The OHIO Class is the nation's primary and most secure nuclear deterrent and this capability will be maintained. Detail design expected to start as early as FY12 (construction start is in FY19) and the concept design

work must be performed in advance of detail design. \$53M was requested for FY09 in order to conduct the SBSD concept study plan originally planned for FY08 and FY09 which has not been fully funded, and to support R&D technology development. Funding in FY10 will allow the Navy to proceed with SBSD development in a timely fashion. Furthermore, potential delay in SSBN-X Program start will threaten the submarine design industrial base.

The following are project requests which were submitted to the Transportation and Infrastructure Committee for the Surface Transportation Authorization bill, which will provide the majority of federal surface transportation projects for the next six years. The projects below were submitted at the request of local governments and government entities.

Project Name: Locomotive Acquisition for the Virginia Railway Express (VRE)

Requested By: VRE

Project Amount: \$20,000,000

Project Description: This funding will allow VRE to purchase 5 Two-Tier Locomotives. VRE's fifty-year-old locomotive fleet is failing, and replacement locomotives are needed that would surpass current federal environmental standards, and would allow for expanded commuter rail service in the National Capital Region. Expanded VRE commuter rail service would also alleviate traffic congestion in and out of Washington, DC, along the I-95 corridor.

[Letter of request from the Virginia Railway Express](#)

Project Name: Wythe Creek Road Improvements

Requested By: City of Hampton and City of Poquoson

Project Amount: \$52,000,000

Project Description: This funding would provide for the planning, engineering, design, environmental review, acquisition, and construction of Wythe Creek Road improvements. This Road connects the cities of Hampton and Poquoson, VA, and for Poquoson, it is one of only two roads leading in and out of the city. During heavy storms, Wythe Creek Road often gets covered with several feet of water, and this project is needed in order to elevate and widen the road. This will allow the primarily residential areas of Poquoson to travel to the commercial, educational, and employment centers in Hampton.

[Letter of request from the Cities of Hampton and Poquoson](#)

Project Name: Middle Ground Boulevard Extension

Requested By: City of Newport News

Project Amount: \$35,797,600

Project Description: This funding would provide for the completion of preliminary engineering, right-of-way acquisition, and construction of the extension of Middle Ground Boulevard. This proposed roadway would connect Newport News' two main highway arterials (Jefferson Avenue to Warwick Boulevard). The extension is needed in order to provide congestion relief to the existing transportation network, and will also create a much-needed connection from a large residential area on the western side of the City directly to the business district.

[Letter of request from the City of Newport News](#)

Project Name: Interstate 95/ US Route 17 Interchange Project

Requested By: Spotsylvania County, VA

Project Amount: \$1,600,000

Project Description: This funding will provide for the preliminary engineering of a new exit off of I-95 at US Route 17. This additional exit is needed in order to mitigate congestion on I-95 by relieving the current back-ups on the mainline at exit 126. It will also improve emergency response time to the new Hospital Corporation of America Spotsylvania Regional Medical Center.

[Letter of request from Spotsylvania County](#)

Project Name: US Route 17 Improvements

Requested By: Stafford, VA

Project Amount: \$10,000,000

Project Description: This funding will provide for the design and right of way acquisition in order to widen and improve Warrenton Road, US 17, in Stafford, VA. This road is a regionally significant route, carrying an annual average of 43,000 vehicles per day with nearly 20% of the traffic being comprised of trucks and buses.

[Letter of request from Stafford County](#)

Project Name: Route 1/ Route 123 Interchange Project

Requested By: Prince William County, VA

Project Amount: \$8,000,000

Project Description: This funding will project for the construction of the interchange at USR 1 and SR 123. Route 1 and Route 123 serve as major parallel routes to I-95, and this project will help mitigate any incidents on I-95 and allow for continuous movement. It also allows for quick access for vehicles and buses to the Virginia Railway Express rail station.

[Letter of request from Prince William County](#)

Project Name: Western Maintenance Facility

Requested By: Potomac and Rappahannock Transportation Commission (PRTC)

Project Amount: \$9,600,000

Project Description: These funds will provide for the construction of a new PRTC Bus Maintenance Facility in the western portion of Prince William County, VA. The new facility is needed because the existing facility is over-burdened and houses 25% more buses than it was designed for. Operations and maintenance at the existing facility is very difficult, with excessive bus maneuvering and inadequate space for service and inspection. PRTC provides commuter bus service in the National Capital Region.

[Letter of request from Prince William County](#)

Project Name: Reconstruct Route 17

Requested By: York County, VA

Project Amount: \$26,653,600

Project Description: These funds will construct the widening of a 2.7 mile segment of Route 17 in York County, VA. This project will help relieve congestion on one of the major arterial routes in the Virginia Peninsula. It will improve the safety of travel on this corridor, which also serves

as a regional evacuation route in the event of natural or other disasters.

[Letter of request from York County](#)